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AUTHOR	Ritchhart, Ron, Ed.
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ABSTRACT

In six sites across the United States teams of teachers began creating "portfolio cultures"--classrooms where growth towards high common standards and reflection was emphasized for both students and teachers. Working groups of teachers became involved in a 2-year process to develop curriculum. This book is a part of this series emphasizing the exploration of the functional relationship in mathematics and science. The chapters, written by teachers, are their reflections on what is possible for young adolescent learners. Chapters include: (1) "Seeing the World through Mathematical Eyes: Exploring Functional Relationships" (Ron Ritchhart); (2) "Making Functions Meaningful: The Mount View Story" (Betsy Berry and Marcy Converse); (3) "Finding a Place for Functions in the Science Classroom: Exploring the Respiratory System" (Carrie Wong); (4) "Math Curse Revisited: Seeing Math in Many Places" (Amy Benedicty and Sean Donahoe); (5) "Do Fish Sleep?: Using Functions To Guide Scientific Inquiry" (Mike Benway and Ron Ritchhart); (6) "A Conversation among (Critical) Friends" (Ron Ritchhart, Joan Boykoff Baron, Donna Foley, and Roy Gould); and (7) "In Praise of Messiness, Betting Against the Odds, and Reinventing the Wheel as Avenues for the Development of Understanding" (Ron Ritchhart). A curriculum seminar schedule, curriculum seminar activities, and unit lesson plans are also included. (ASK)

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